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3 **Listing of Claims**  
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5 This listing of claims will replace all prior versions, and listings, of claims  
6 in the application.

7 Claims 1-19 (Canceled)  
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9 Claim 20 (Currently amended): A computer-readable medium as in claim  
10 [[1]]29, wherein the determining act comprises testing the fragment cache to verify  
11 that each glyph in the fragment is stored in the fragment cache.

12 Claim 21 (Previously presented): A computer-readable medium as in claim  
13 20, further comprising:

14 storing a plurality of glyph caches on the remote terminal,  
15 wherein the fragment cache comprises a plurality of entries each having  
16 location information identifying storage locations in the glyph caches for the  
17 glyphs of the fragment.  
18

19 Claim 22 (Previously presented): A computer readable medium as in claim  
20 20, having further computer-executable instructions for performing the steps of  
21 identifying a glyph in the fragment that is not currently stored in the cache, sending  
22 graphic representation data for said glyph and a cell index to the remote terminal,  
23 the cell index identifying a cell in the glyph caches for storing the graphic  
24 representation data for said glyph.

25 Claim 23 (Currently amended): A computer-readable medium as in claim

1 [[1]]29, wherein the fragment cache is implemented using a glyph caching scheme.

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3 Claim 24 (Currently amended): A computer-readable medium as in claim  
4 [[1]]29, having further computer-executable instructions for performing the step of  
5 maintaining a local fragment cache identification table to identify which fragments  
6 are cached on the remote terminal.

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8 Claim 25 (Previously presented): A computer-readable medium as in claim  
9 24, wherein the local fragment cache identification table stores fragment  
10 identification values comprising information identifying one or more fragment  
11 storage locations in the fragment cache at the remote terminal.

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13 Claim 26 (Previously presented): A computer-readable medium as in claim  
14 25, wherein the local fragment cache identification table comprises a lookup table  
15 having fragment keys associated with fragment indices identifying corresponding  
16 entries in the fragment cache at the remote terminal.

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18 Claim 27 (Previously presented): A computer-readable medium as in claim  
19 26, wherein the fragment cache is based on a glyph cache system.

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21 Claim 28 (Previously presented): A computer-readable medium as in claim  
22 27, having further computer-executable instructions for performing the step of  
23 maintaining a local glyph cache lookup table for the glyph caches stored at the  
24 remote terminal, wherein the glyph cache lookup table comprises glyph keys  
25 associated with cache cell indices for identifying corresponding cells in the glyph  
caches.

Claim 29 (Currently amended): A computer-readable medium having

1 computer-executable instructions for performing steps to communicate with a  
2 remote terminal for displaying graphic user interface images, comprising:

3 receiving a drawing request to display a fragment on the remote terminal,  
4 the fragment including a plurality of glyphs;

5 determining whether the fragment has been cached in a fragment cache at  
6 the remote terminal;

7 sending a fragment index associated with the fragment to the remote  
8 terminal, when it is determined that the fragment has been cached, the fragment  
9 index identifying an entry in the fragment cache that stores data representing the  
10 fragment; and

11 ~~A computer-readable medium as in claim 1, having further computer-~~  
12 ~~executable instructions for performing the steps of: when it is determined that the~~  
13 ~~fragment has not been cached:~~

14 ~~identifying missing glyphs of the fragment that have not been cached at the~~  
15 ~~remote terminal;~~

16 ~~caching the missing glyphs at the remote terminal;~~

17 ~~determining a fragment index for the fragment, the fragment index~~  
18 ~~identifying an entry in the fragment table for storing said fragment; and~~

19 ~~storing the fragment index on a local computer system for maintaining the~~  
20 ~~fragment cache on the remote terminal; and~~

21 ~~sending the fragment index to the remote terminal for caching the fragment~~  
22 ~~in an entry of the fragment cache identified by the fragment index.~~

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Claims 30-33 (Canceled)

1        Claims 34 (New): A computer-readable medium as in claim 29, having  
2 further computer-executable instructions for performing the step of sending the  
3 fragment index to the remote terminal for caching the fragment in an entry of the  
4 fragment cache identified by the fragment index.  
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